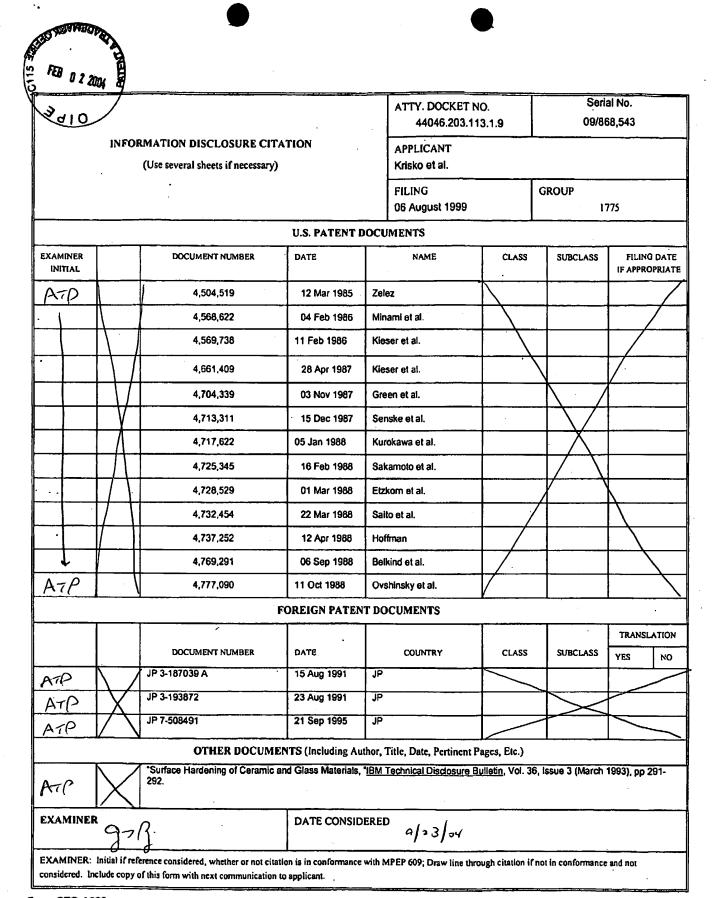
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 -		-	U.S. PATENT DOC	UMENTS				
XAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
17P		Re 34,035	18 Aug 1992	Olmigen et al.				
1 1	1	2,808,351	31 Oct 1952	Colbert et al.				
1	$\sqrt{1}$	3,505,092	07 Apr 1970	Ryan et al.				
	X	3,528,906	15 Sep 1970	Cash, Jr. et al.				
	$\Lambda \top$	3,840,451	08 Oct 1974	Golyanov et al.				
		3,844,924	29 Oct 1974	Cunningham et al.				
		3,925,182	09 Dec 1975	Carmichael et al.				
		3,968,018	06 Jul 1976	Lane et al.	,	<u> </u>		
		3,990,784	09 Nov 1976	Gelber				
٠ لم .		4,045,125	30 Aug 1977	Farges				
97P		4,052,520	04 Oct 1977	Chang et al.	/·.			
•		F	OREIGN PATENT D	OCUMENTS				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
ATP	2,	290,999	Dec 1998	Canada	1	1		
ATP	$X \mid w$	O 98/23549	04 Jun 1998	PCT				
ATP /	/ w	O 97/11916	03 Apr 1997	PCT				
		OTHER DOCUMENTS	S (Including Author,	Title, Date, Pertinent	Pages, Etc.)			
ATP	V R	eersamy, et al., "Optic elated Materials, Vol. 2	al and Electronic (1993), pp 782	Properties of A 2-787. (no mo	morphous	Diamond." [Diamond and	
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Form PTO-A820 (also form PTO-1449)

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ATP	\	4,060,660	29 Nov 1977	Car	tson et al.					
- 1	1	4,107,350	15 Aug 1978	Ber	g et al.					7
	11	4,130,672	19 Dec 1978	One	oki et al.					
•		4,166,018	28 Aug 1979	Cha	apin					
	117	4,194,022	18 Mar 1980	Gill	ery	\	\prod			
	TV	4,212,903	15 Jul 1980	Sch	nnell et al.		X			•
	IV	4,214,014	22 Jul 1980	Hot	fer et al.					
	$1 \wedge$	4,332,922	01 Jun 1982	Kos	ssmehl et al.				·	
	1/	4,466,258	21 Aug 1984	Sai	ndo et al.					
	171	4,485,146	27 Nov 1984	Miz	uhashi et al.					
	II	4,486,286	04 Dec 1984	Lev	win et al.					
ATP	/	4,503,125	05 Mar 1985	Ne	Ison et al.					
			FOREIGN PATEN	YT DC	CUMENTS					
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS		SUBCLASS	TRANS	NO
AP	\ 	WO 97/42351	13 Nov 1997	PC	T		+			
	$+ \vee$	WO 96/25534	22 Aug 1996	PC	π.	_	\rightarrow			
ATP	$1/\Lambda$	JP 3-122274	24 May 1991	JP		+_	7			$\overline{}$
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ATP	X	"Surface Hardening of Cera 1993), pg 225.	mic and Glass Mate	erials	, " IBM Technical	Disclosure Bu	lletin,	, Vol. 36, Is	sue 1 (Ja	anuary
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AND		4,780,334	25 Oct 1988	Ack	reman			
	1\/	4,816,127	28 Mar 1989	Elto	buky			
	\coprod	4,849,081	18 Jul 1989	Ros	is			
	\prod	4,851,095	25 Jul 1989	Sco	bey et al.			/
	111	4,859,493	22 Aug 1989	Len	nelson		$\sqrt{}$	·
		4,882,827	28 Nov 1989	Kus	sumi et al.			
		4,894,133	16 Jan 1990	Hed	lgcoth			
	$\prod \bigwedge$	4,915,977	10 Apr 1990	Oka	amoto et al.	,		
	\coprod	4,919,778	24 Apr 1990	Die	trich et al.			
	\coprod	4,961,958	09 Oct 1990	Des	sphandey et al.			
4	1	4,981,568	01 Jan 1991	Tan	anko et al.	/		
ATP	<u> </u>	5,008,002	16 Apr 1991	Und	et al.	V_{\perp}		
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ATO		/ JP 7-149545	13 Jun 1995	JP				
ATP	X	JP 7-315889	05 Dec 1995	JP		1		
ATP		JP 7-315874	05 Dec 1995	JP.		1		
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ATP		5,026,415	25 Jun 1991	Yam	namoto et al.	. \				
(5,032,421	16 Jul 1991	Sam	na et al.					7_
	17	5,047,131	10 Sep 1991	Wolfe et al.					1/_	
	1/	5,073,241	17 Dec 1991	Watanabe					/	
		5,073,450	17 Dec 1991	Niet	ering					
	Y	5,106,671	21 Apr 1992	Amt	perger et al.					
		5,107,643	28 Apr 1992	Swe	ensen .			X		
	\mathcal{T}	5,139,633	18 Aug 1992	Kasi	hida et al.					
		5,171,414	15 Dec 1992	Amt	berger et al.		\mathbb{Z}			
• -		5,190,807	02 Mar 1993	Kim	ock et al.					
		5,201,926	13 Apr 1993	Szc	zyrbowski et al.					
· 1		5,209,996	11 May 1993	Kas	hida et al.					_
A7P		5,245,468	14 Sep 1993	Den	niryont et al.					
			FOREIGN PATEN	T DO	CUMENTS .					
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		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	4	SUBCLASS	YES	NO
AP	$\backslash \angle$	JP 8-109043	30 Apr 1996	JP			\Rightarrow			
ATP	_Χ_	JP 8-012378	16 Jan 1996	JP						
ATP		JP 8-11631	16 Jan 1996	JP	· · · · · · · · · · · · · · · · · · ·					\geq
		OTHER DOCUM	ENTS (Including Au	thor, T	litle, Date, Pertinen	t Pages, Etc.)				
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ATP		5,284,539	08 Feb 1994	McI	Keman et al.			
		5,286,524	15 Feb 1994	Stut	tz et al.			
		5,318,830	07 Jun 1994	Tak	amatsu et al.			
		5,346,600	13 Sep 1994	13 Sep 1994 Nieh e			7	
	LV_	5,366,764	22 Nov 1994	Sun	thankar			
		5,378,527	03 Jan 1995	Nakanishi et al.				
	\perp / \perp	5,401,543	28 Mar 1995 O'Nei		eill et al.			
-		5,415,756	16 May 1995	Wol	fe et al.			
		5,453,459	26 Sep 1995	Rob	erts			
• • •	$\prod \Lambda$	5,470,661	28 Nov 1995	Bail	ey et al.	/		
		5,476,713	19 Dec 1995	Abil	co et al.			
1		5,482,602	09 Jan 1996	Coo	per et al.			
ATP	<u> </u>	5,498,475	12 Mar 1996	Tak	igawa et al.	/		
· .		F	OREIGN PATEN	T DO	CUMENTS			•
•								TRANSLATION
	ļ,	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES NO
ATP		JP 9-202651	05 Aug 1997	JP				
KIP	$\perp X$	JP 10-36144	10 Feb 1998	JP				
ATP	$\bot / _$	JP 10-048805 A	20 Feb 1998	JP			1	
	·	OTHER DOCUMEN	NTS (Including Aut	hor, T	Title, Date, Pertinent F	ages, Etc.)		
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ATP		5,507,930	16 Apr 1996	Yamashita et al.				1	
		5,520,996	28 May 1996	Bali	ian et al.	1	1	1	
		5,529,631	25 Jun 1996	Yos	shikawa et at.			1	/
		5,558,751	24 Sep 1996	Mat	nler et al.			7	/
		5,569,501	29 Oct 1996	Ball	ey et al.		1	1	
	\square	5,594,585	14 Jan 1997	Коп	natsu	1		/	
		5,595,825	21 Jan 1997	Guis	selin		$\top X$		
	\coprod	5,597,622	28 Jan 1997	Zölk	er et al.		1/ \		
		5,605,609	25 Feb 1997	And	o et al.		/	4	
	\prod	5,607,723	04 Mar 1997	Plar	no et al.				
		5,618,590	08 Apr 1997	Nan	use et al.			1	
↓		5,624,760	29 Apr 1997	Colli	ins et al.				$\overline{}$
ATP		5,643,423	01 Jul 1997	Kim	ock et al.	/			$\overline{}$
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ATP	\mathcal{L}	EP 0 515 847 B1	22 Feb 1995	EP					
Amp	Д	EP 0 470 379 A	12 Feb 1992	EP					
ATP	\angle	EP 0 328 257	16 Aug 1989	EP					
		OTHER DOCUMENT	TS (Including Aut	hor, T	itle, Date, Pertinent P	ages, Etc.)	•		
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ATP		5,643,432	01 Jul 1997	Qlu				/
1	\mathbb{I}	5,645,900	08 Jul 1997	Ong	et al.			
•	\prod	5,669,144	23 Sep 1997	Hah	n et al.			
		5,674,625	07 Oct 1997	07 Oct 1997 Takah				
		5,679,431	21 Oct 1997	Che	n et al.	1		/
		5,683,561	4 Nov 1997	Holl	ars et al.			
		5,723,172	03 Mar 1998	She	man			
	III	5,733,669	31 Mar 1998	Vey	hl et al.			
		5,745,291	28 Apr 1998 Jenki		kinson			
• .		5,763,087	09 Jun 1998	Fala	ibella		. \	
		5,780,119	14 Jul 1998	Dea	rnaley et al.			
4		5,789,040	04 Aug 1998	Mar	tinu et al.	1/		
ATP	/	5,814,196	29 Sep 1998	Holl	ars et al.			
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ATP		5,820,994	13 Oct 1998	Got	oh et al.			/
		5,830,327	03 Nov 1998	Kole	enkow			/
		5,830,332	03 Nov 1998	Bab	ich et al.			' / .
•		5,846,613	08 Dec 1998	Neu	ville			/
•		5,888,593	30 Mar 1999	Petr	michi et al.		1	/
		5,972,184	26 Oct 1999	Holl	ars et al.		1	
		6,124,044	26 Sep 2000	Swi	dler			
		6,158,171	5 Dec 2000	Holl	ars et al.			
		6,165,616	28 Dec 2000	Lem	elson et al.			
		6,210,750	03 Apr 2001	Cho	et al.		/	
		6,261,693	17 Jul 2001	Vee	rasamy	1 /		
V		6,277,507	21 Aug 2001	Anz	aki et al.	17		
ATP		6,319,326	20 Nov 2001	Koh	et al.	/		Ì
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			U.S. PATENT D	OCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
ATP		6,333,084	25 Dec 2001	Woodard et al.				
		6,365,010 B1	02 Apr 2002	Hollars	70			
	\prod	6,397,776	04 Jun 2002	Yang et al.				
	V	6,074,981	13 Jun 2000	Tada et al.				
	Λ	6,156,171	05 Dec 2000	Hollars et al.				
	\prod	6,165,598	26 Dec 2000	Nelson				
		6,165,616	26 Dec 2000	Lemelson et al.		$\top \triangle$		
		6,210,750	03 Apr 2001	Cho et al.				
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• •	$T \setminus$	6,299,981	09 Oct 2001	Azzopardi et al.				
7		6,333,084	25 Dec 2001	Woodard et al.				
KIP.		6,365,010 B1	02 Apr 2002	Hollars				
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